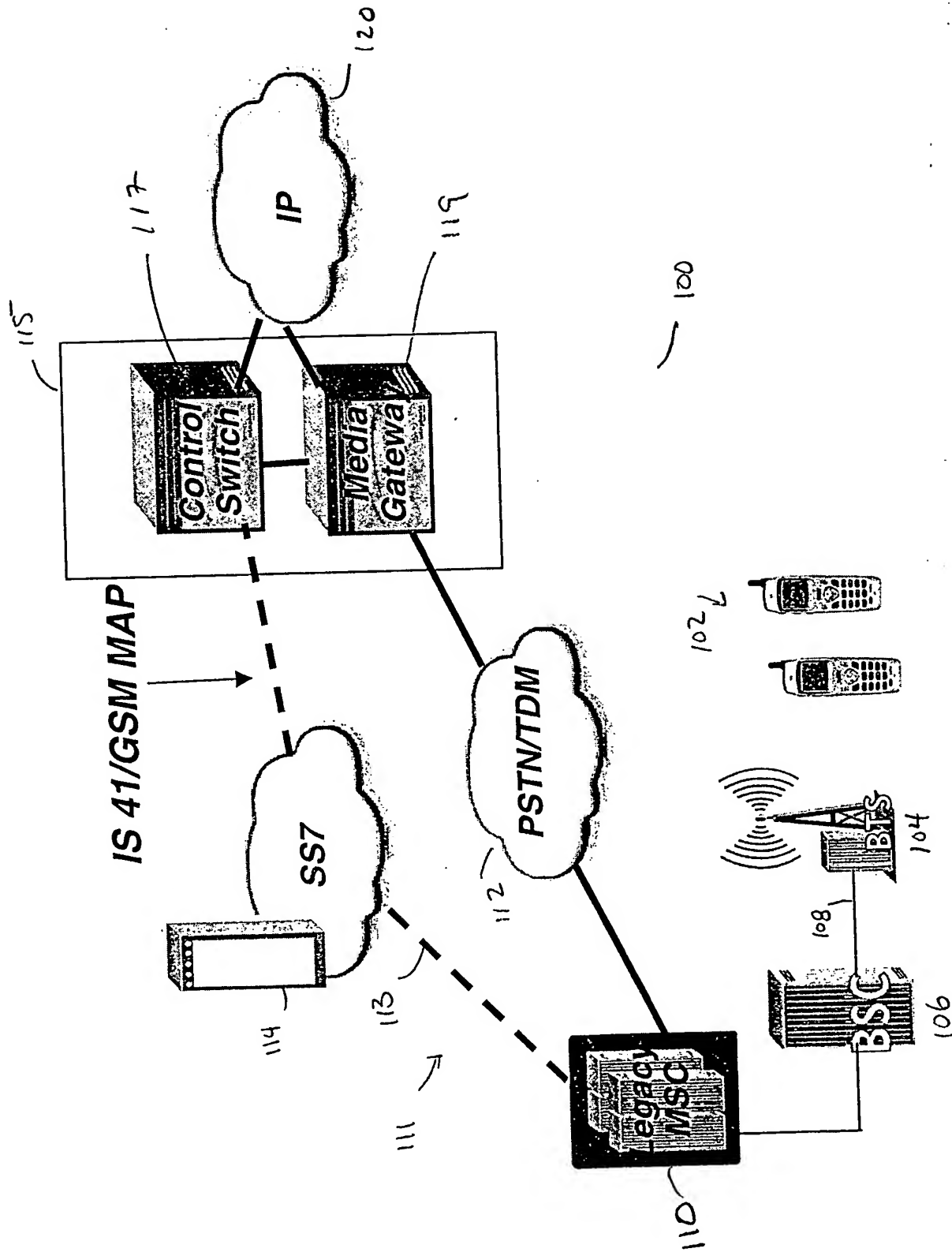
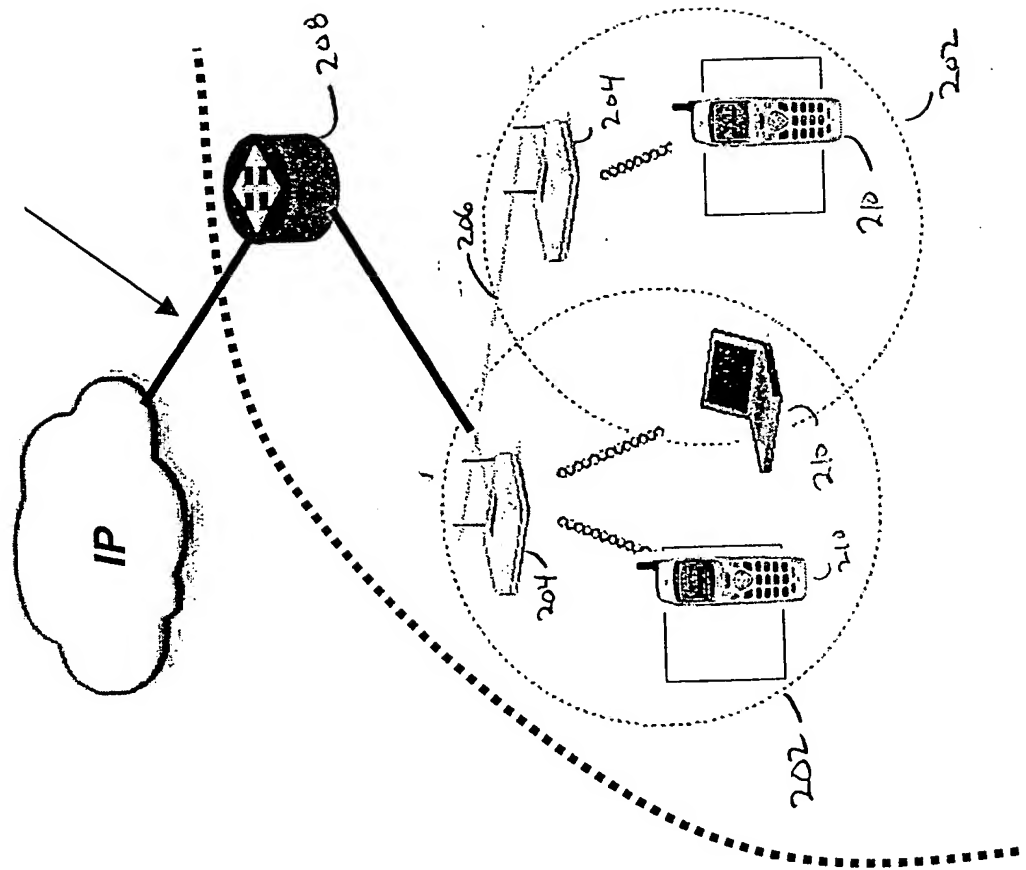


Fig. 1  
Prior Art



20210225001

Fig. 2  
Prior Art



200 —

Fig. 3

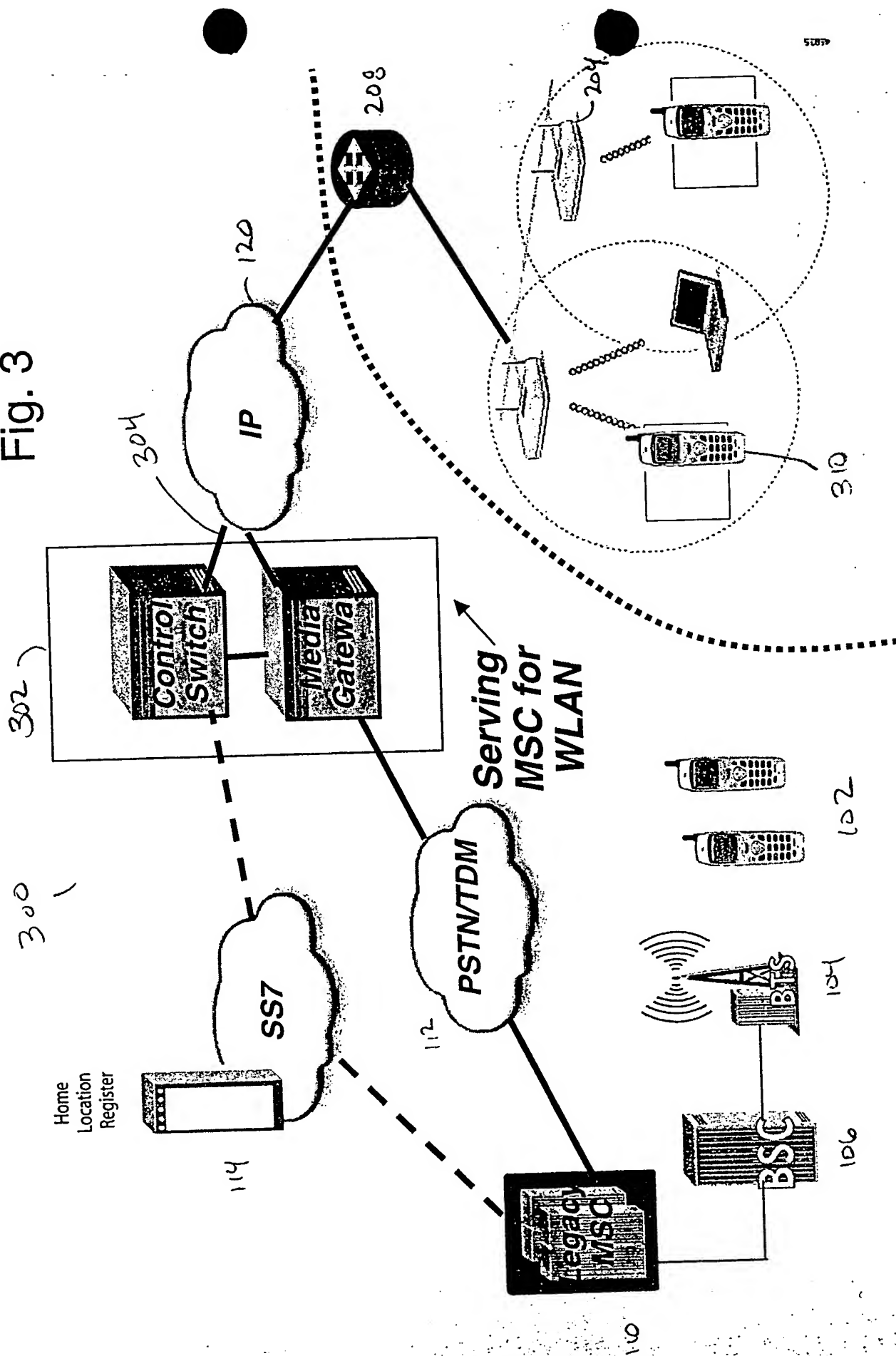
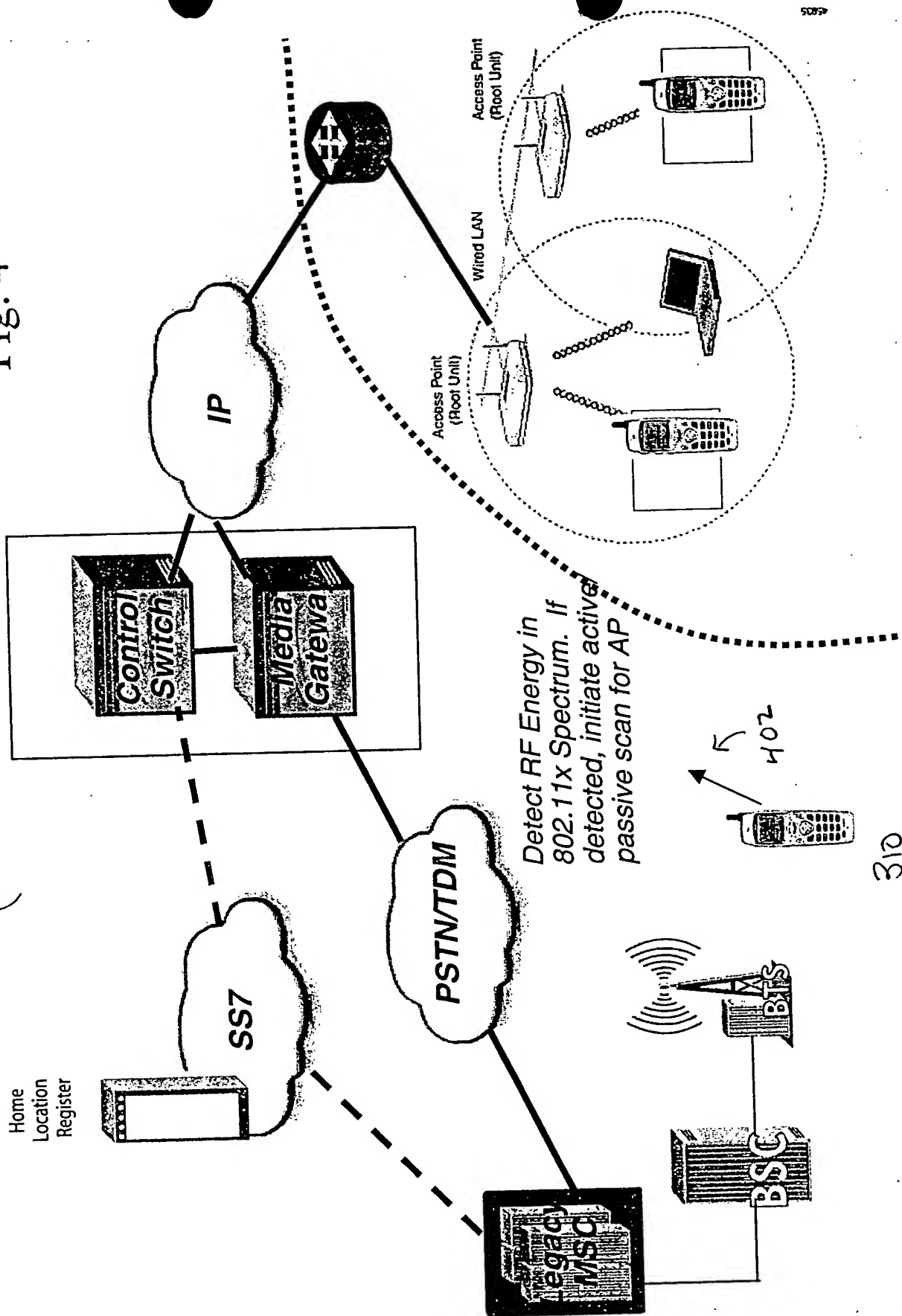


Fig. 4

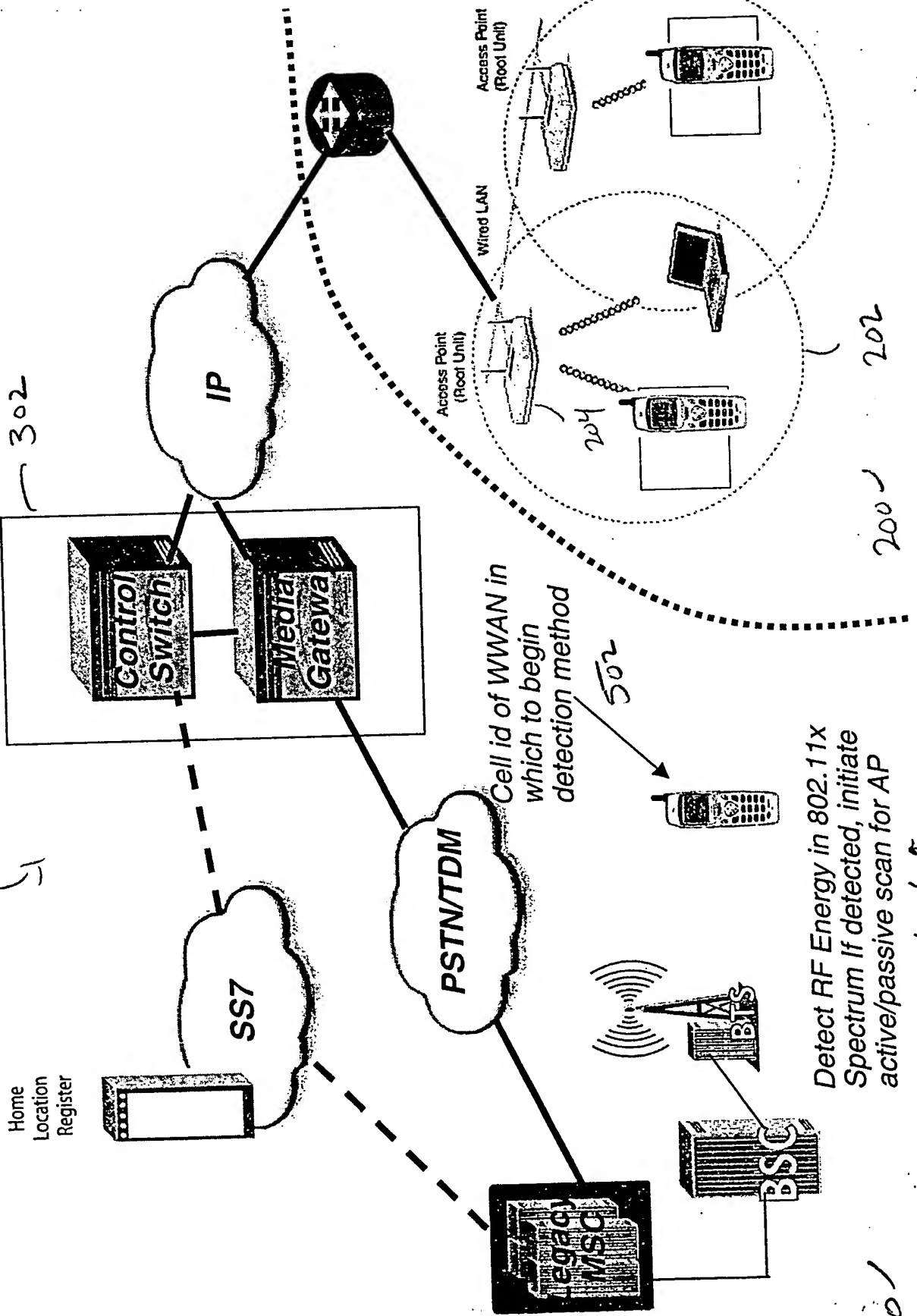
300



310

402

300



Cell id of WWAN in which to begin detection method

502

Detect RF Energy in 802.11x Spectrum If detected, initiate active/passive scan for AP

402' 5

100

Fig. 6

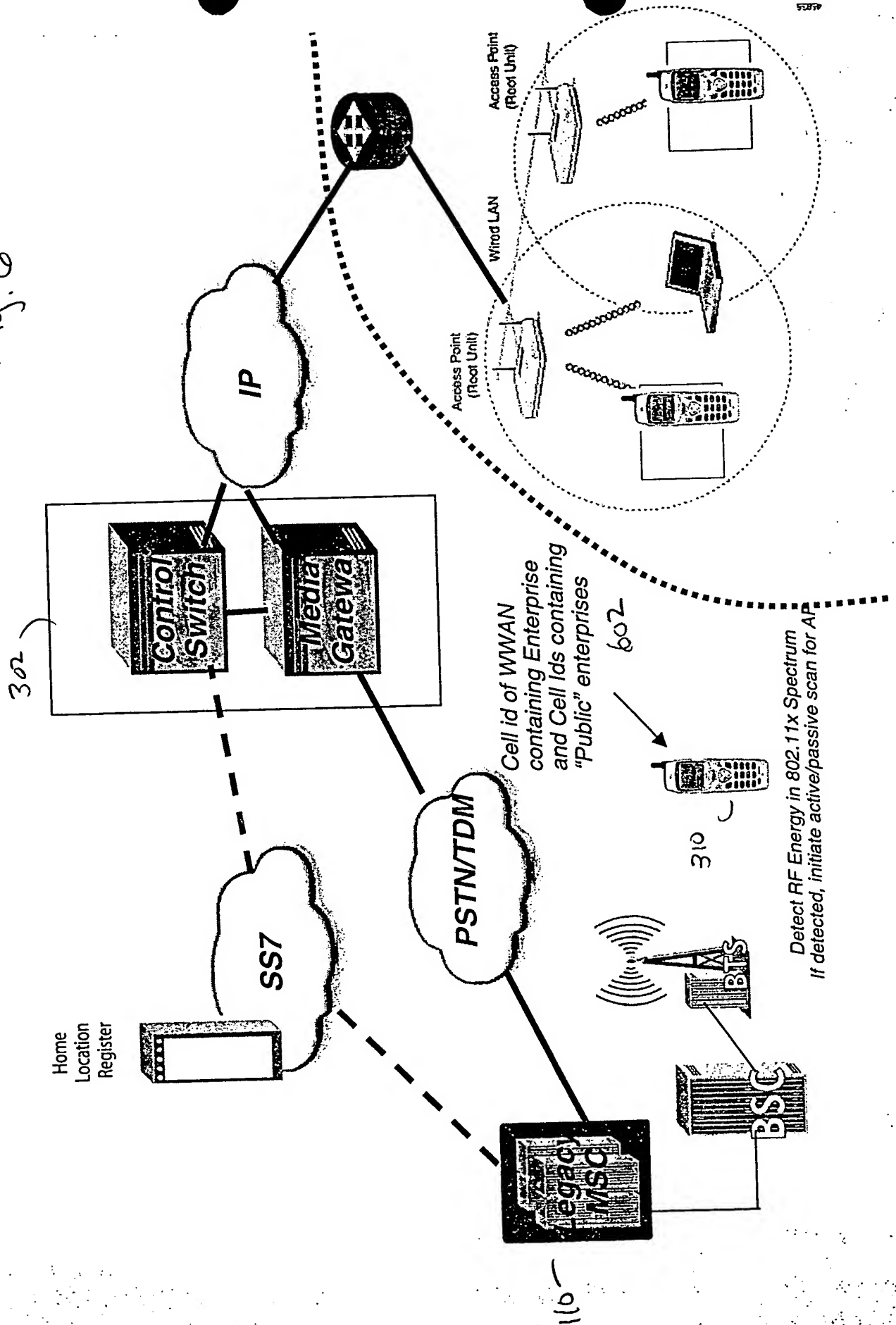


Figure 7

CDMA

Multi-mode Phone

IS95/CDMA2000

+

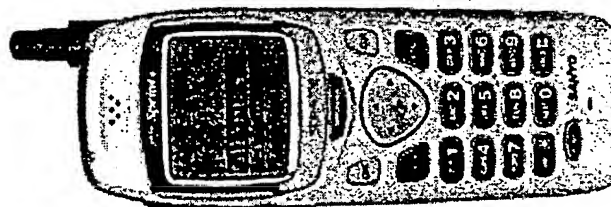
WLAN modem

+

VoIP (SIP/RTP/UDP/IP)

+

Mobility via Preferred  
Embodiment Client



310)

GSM/UMTS

Multi-mode Phone

GSM/UMTS

+

WLAN modem

+

VoIP (SIP/RTP/UDP/IP)

+

Mobility via Preferred  
Embodiment Client

Fig. 3

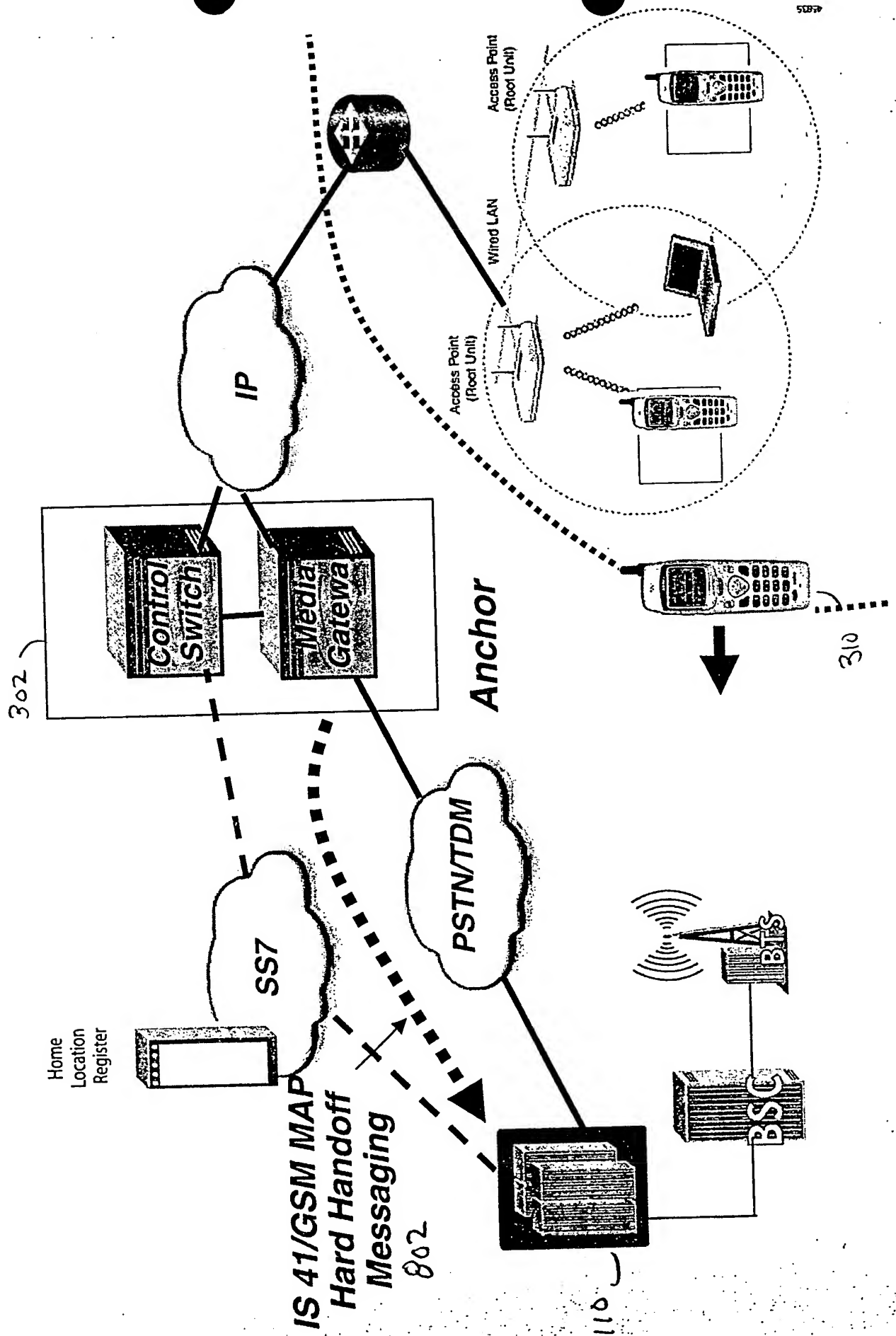




Fig. 9

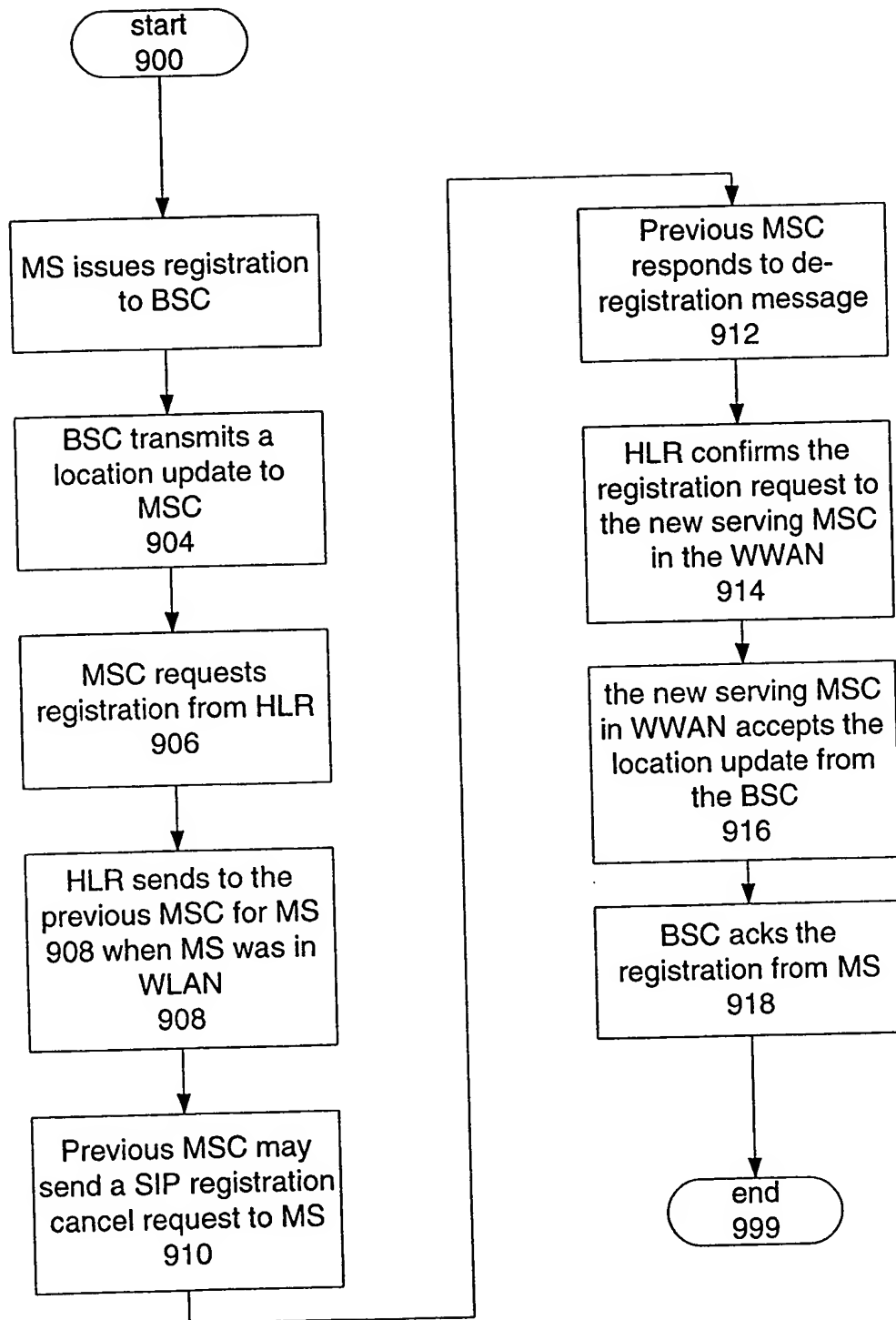


Figure 10

# MS leaves 802.11 MSC area to IS41 MSC area

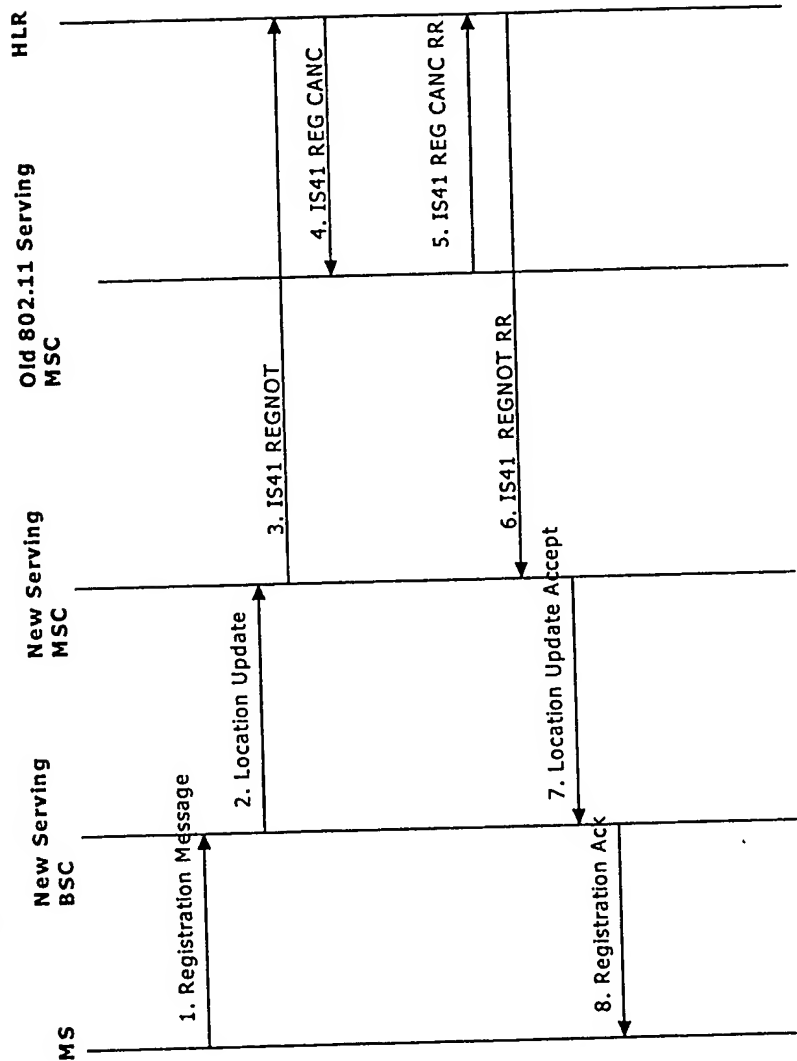


Figure 11

# MS leaves 802.11 MSC area to GSM MSC area

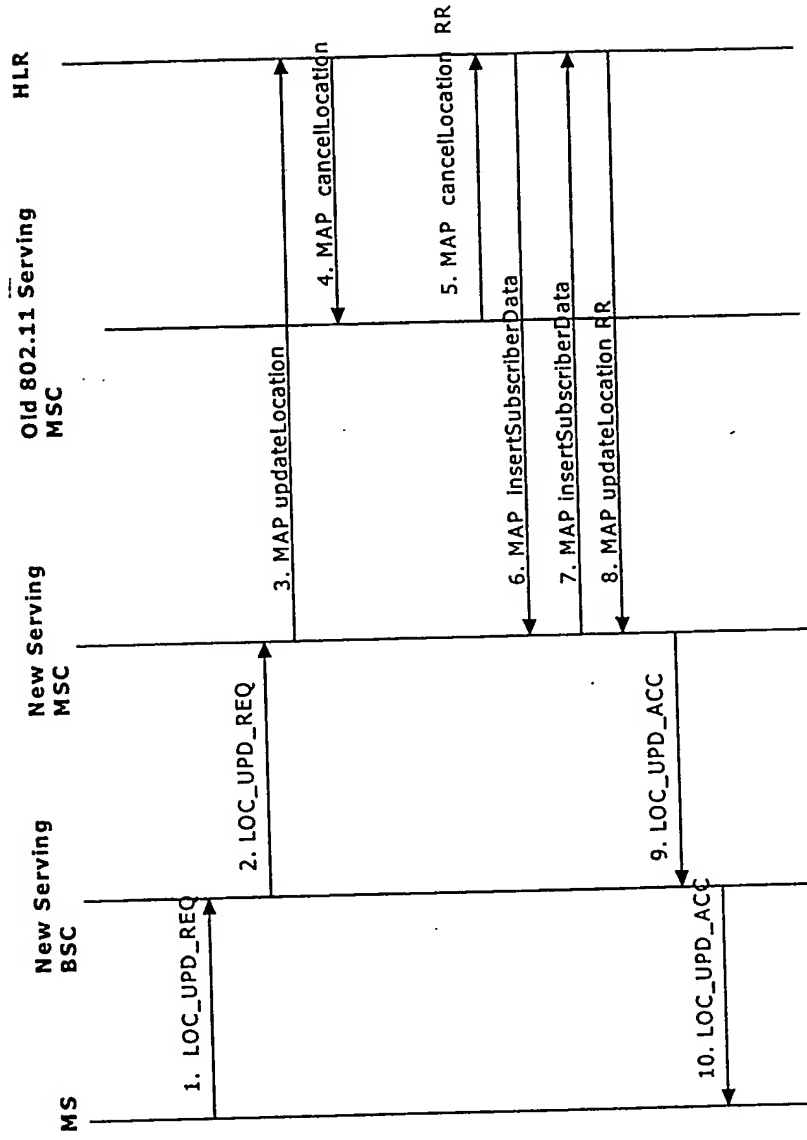


Fig. 12

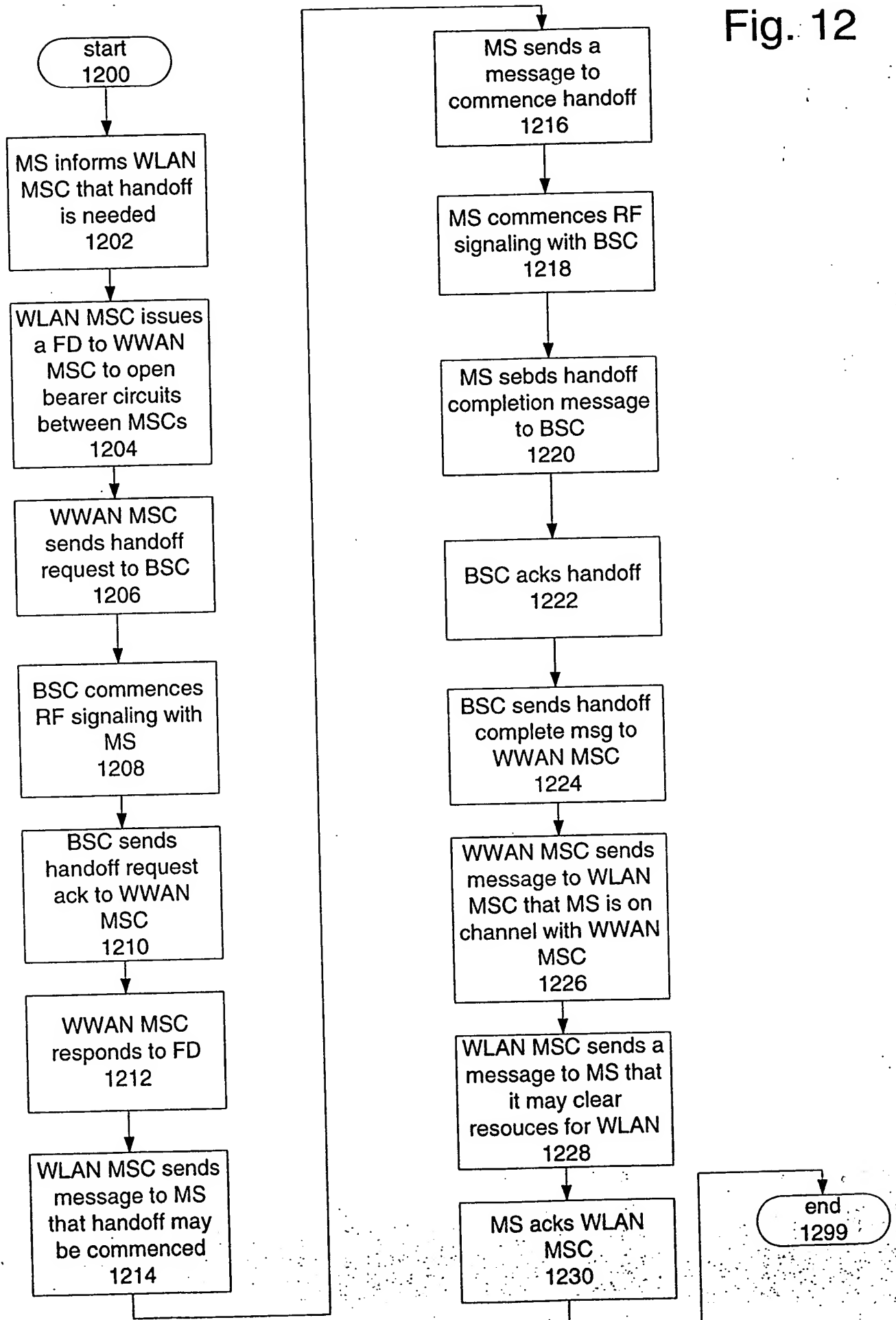
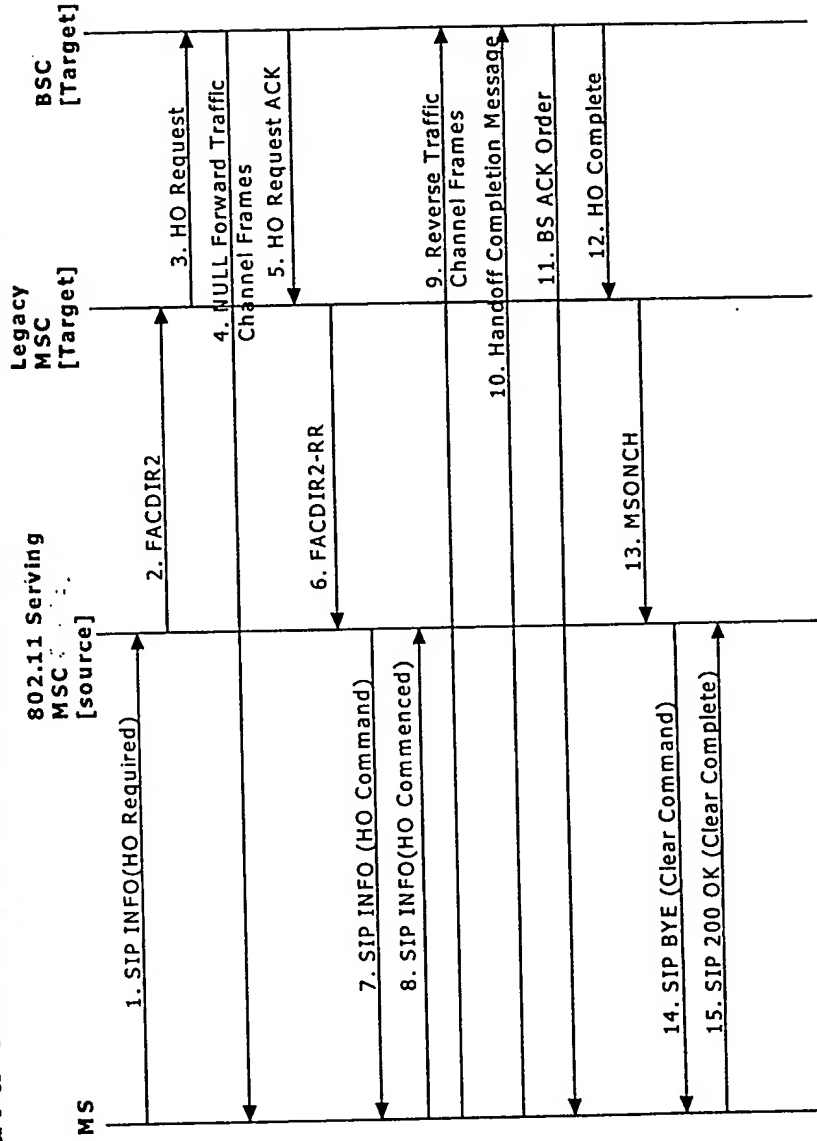


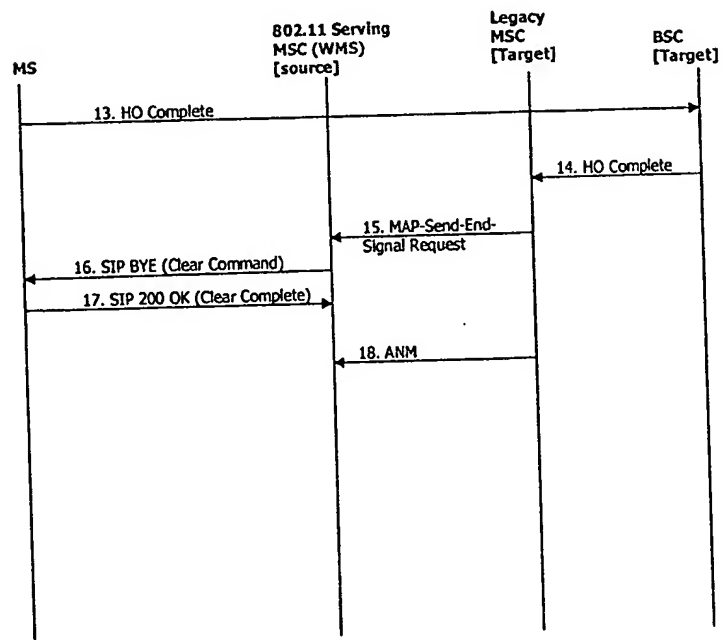
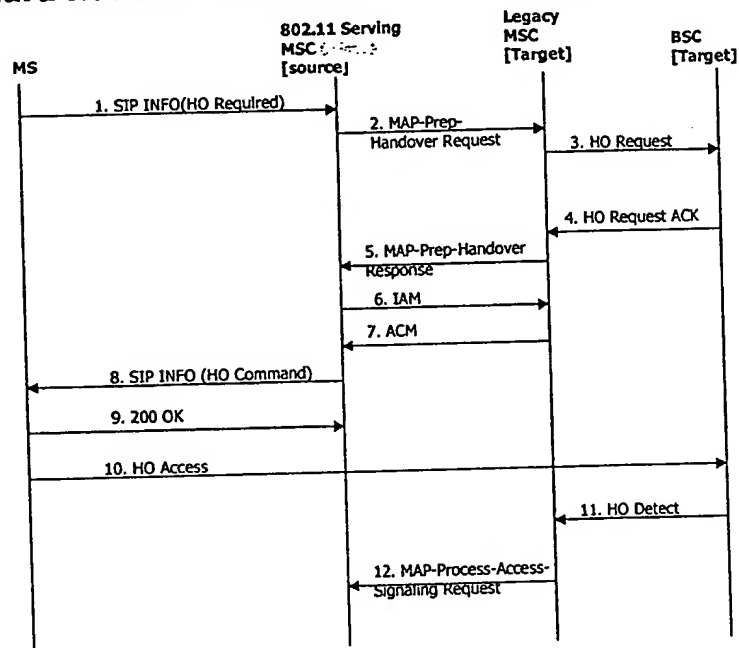
Figure 13

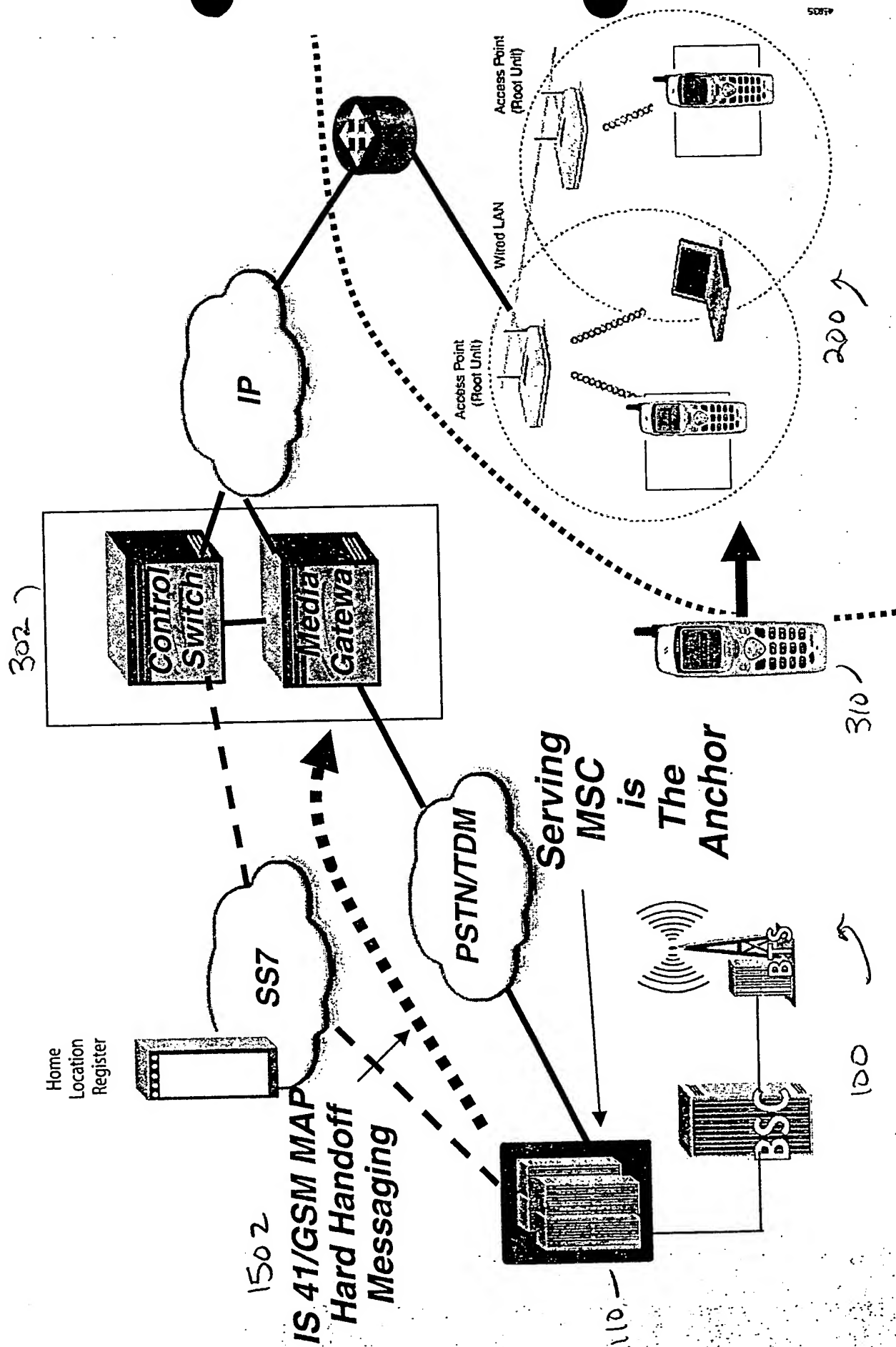
# Hard Handoff from 802.11 MSC to Legacy IS41 MSC



# Figure 14

## Hard Handoff from 802.11 MSC to Legacy GSM MSC





20250427 10:54

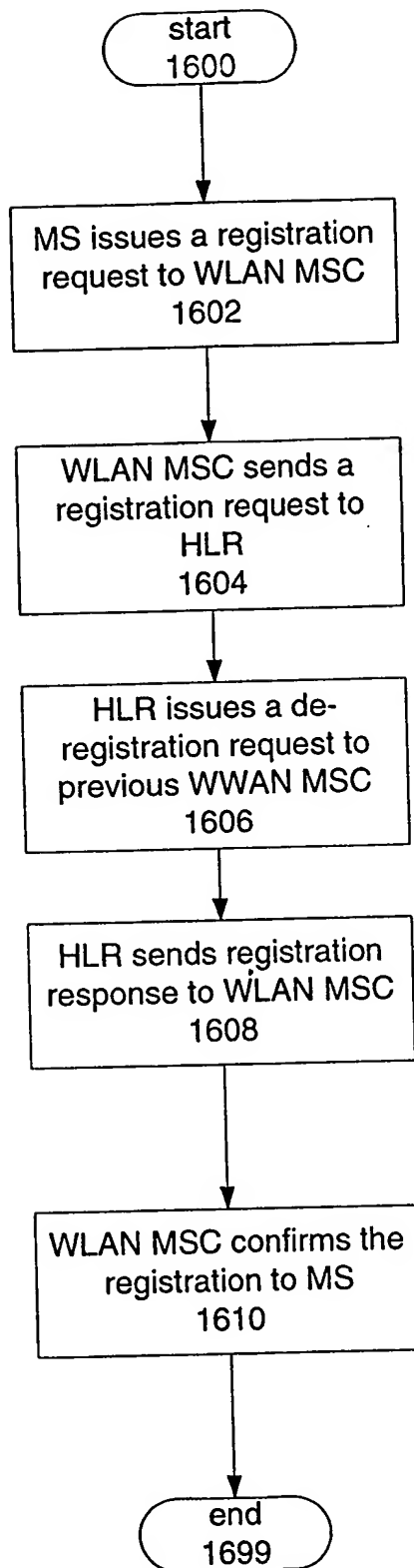


Fig. 16



Figure 17

# MS enters 802.11 MSC area from IS41 MSC area

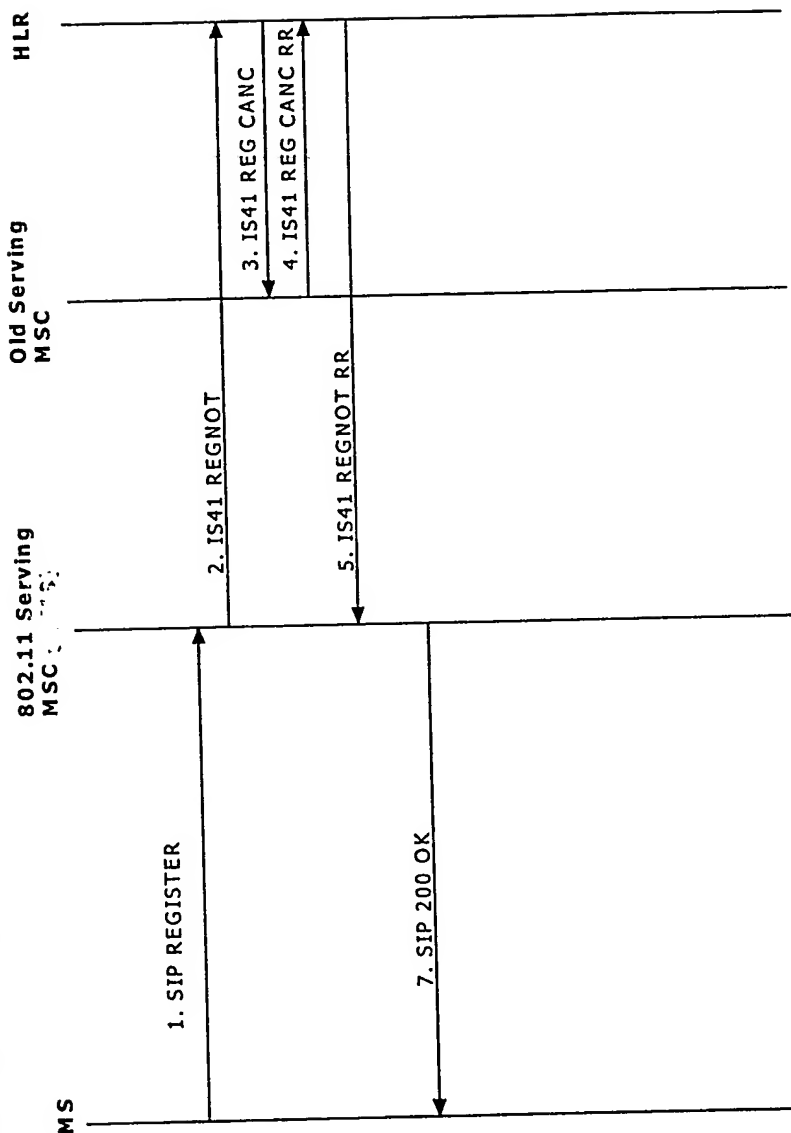
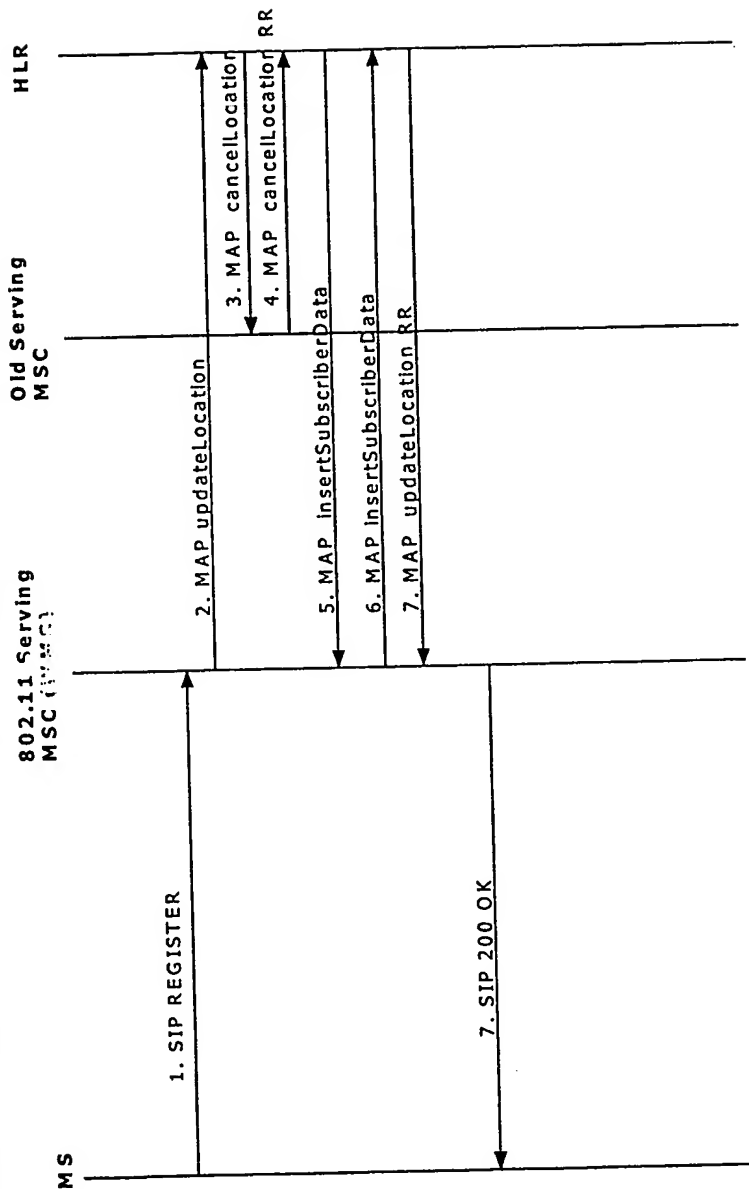


Figure 18

MS enters 802.11 MSC area from GSM MSC area



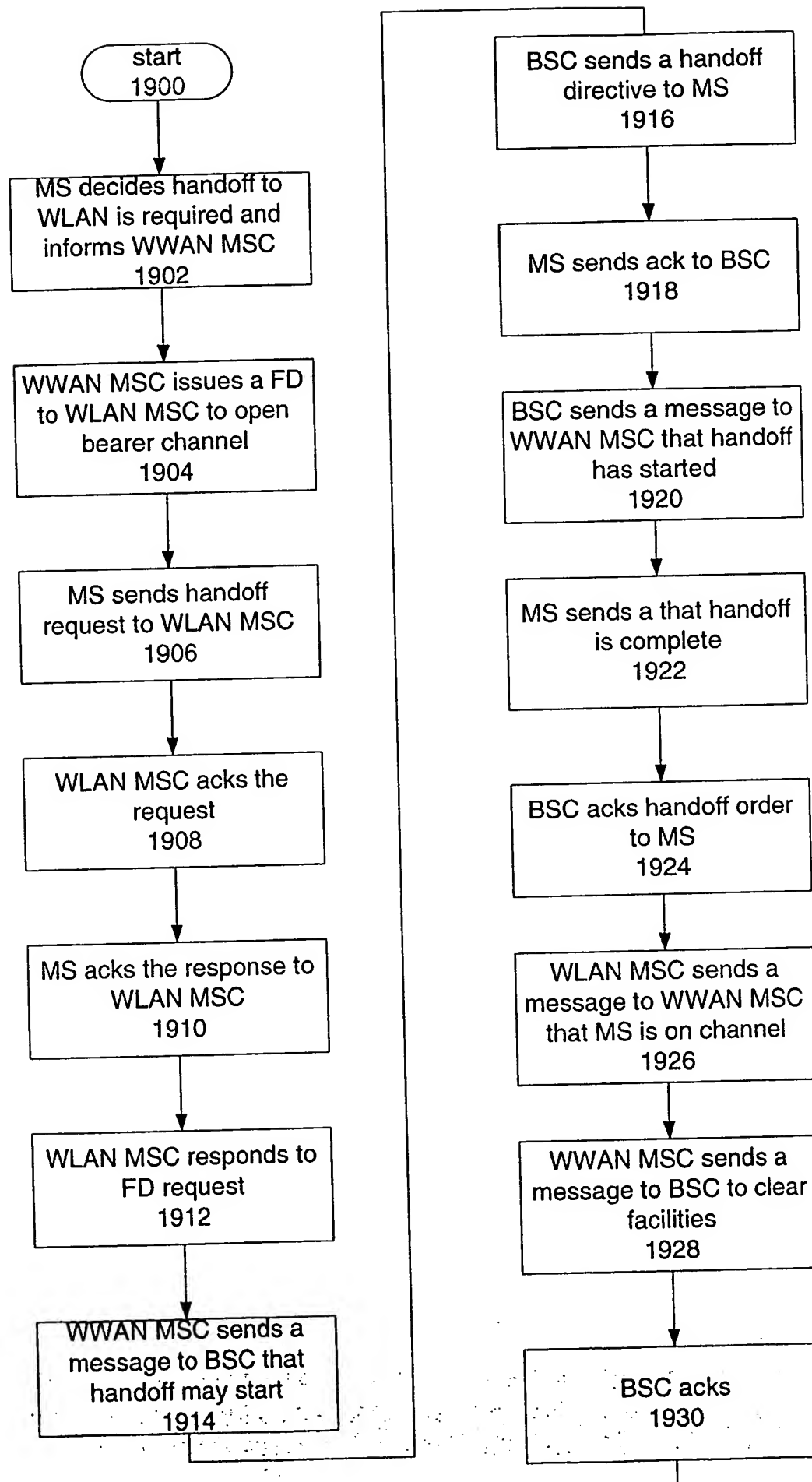


Fig. 19

Figure 20

# Hard Handoff from Legacy IS41 MSC to 802.11 MSC

802.11 Serving MSC

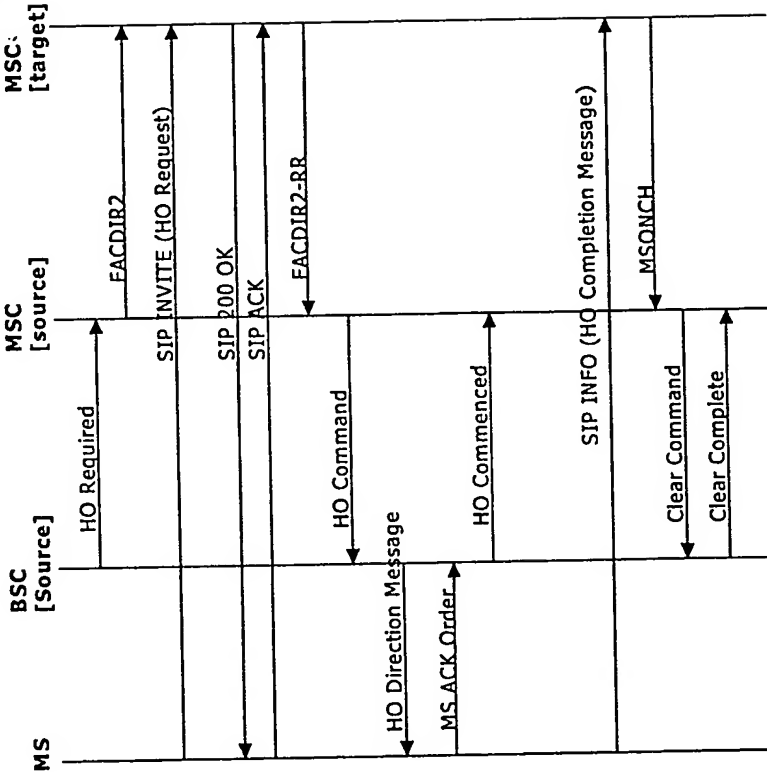


Figure 21

# Hard Handoff from Legacy GSM MSC to 802.11 MSC

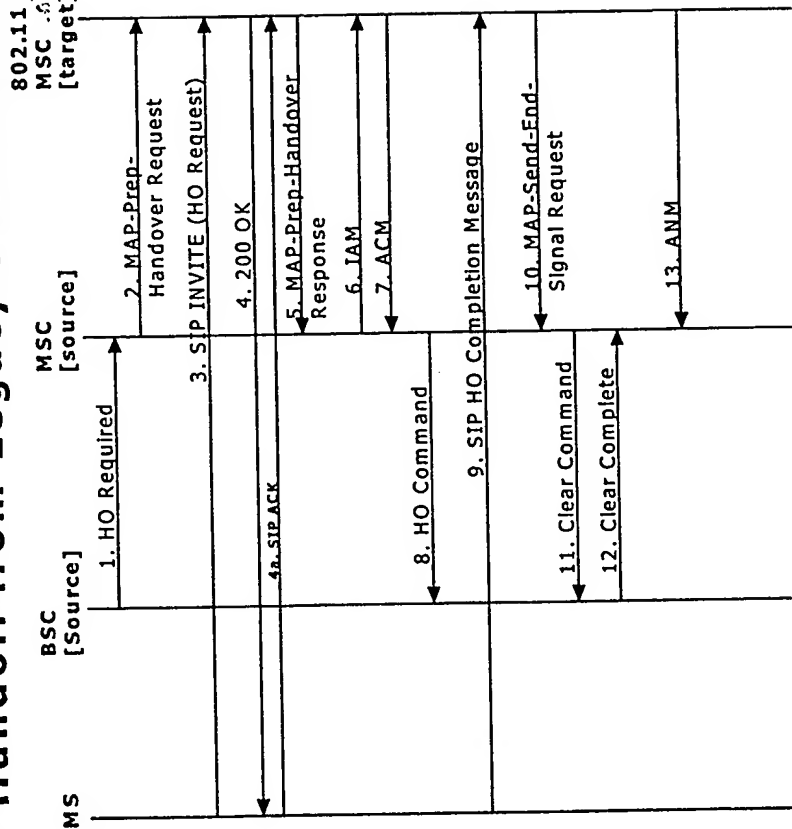


Figure 22

Delivery of Short Message Service in 802.11 MSC area

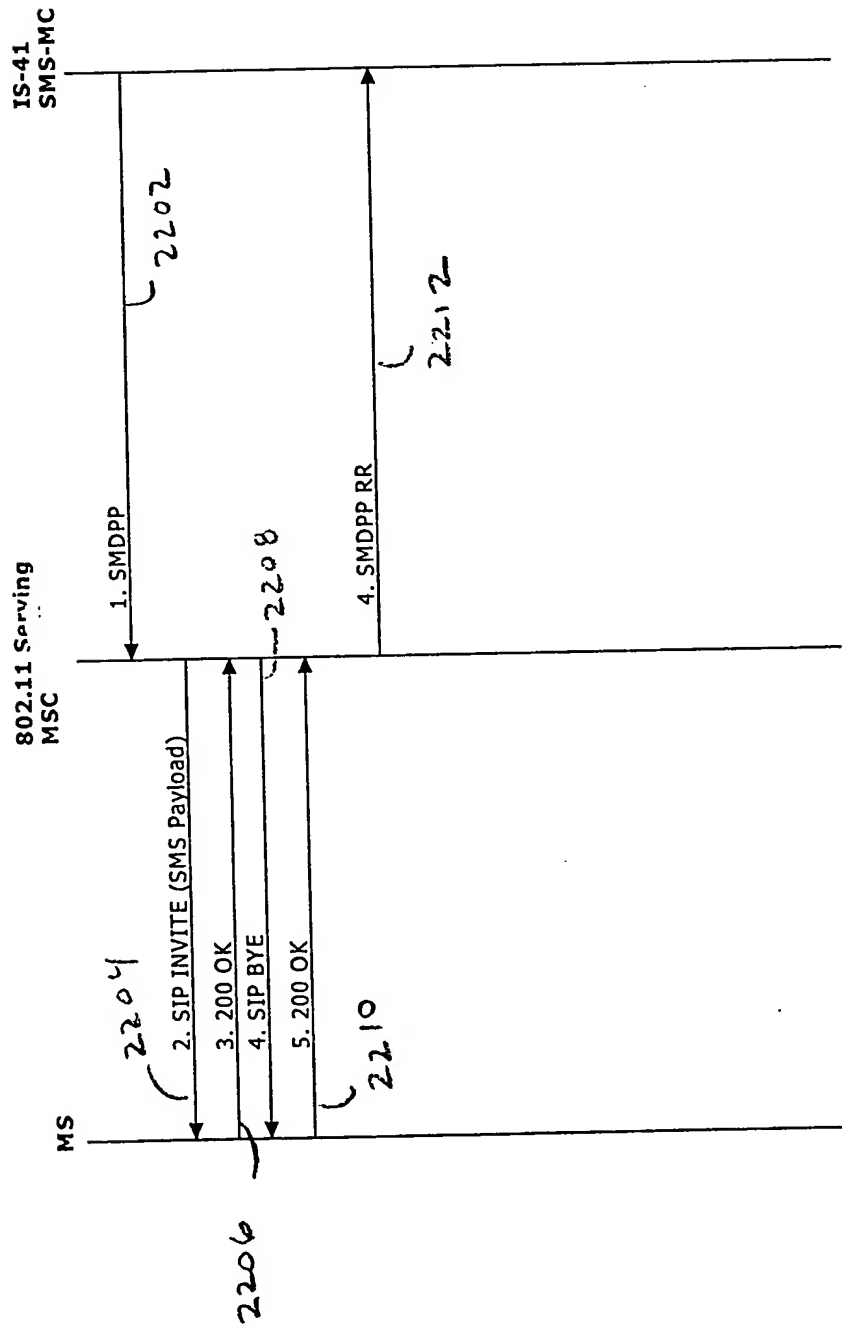


Figure 23

# Delivery of IS41 MWN while in 802.11 MSC area

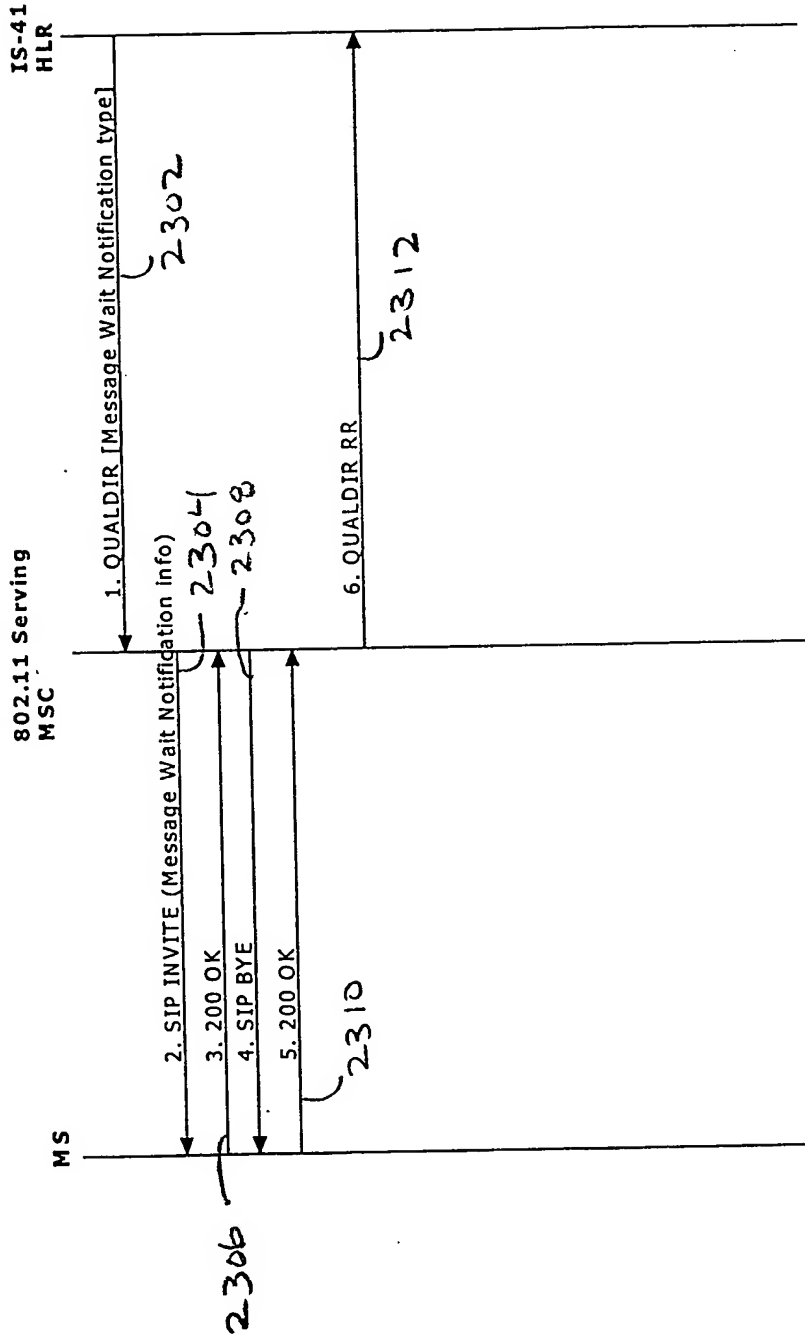


Figure 24

# Intra Enterprise call (CDMA/IS41)

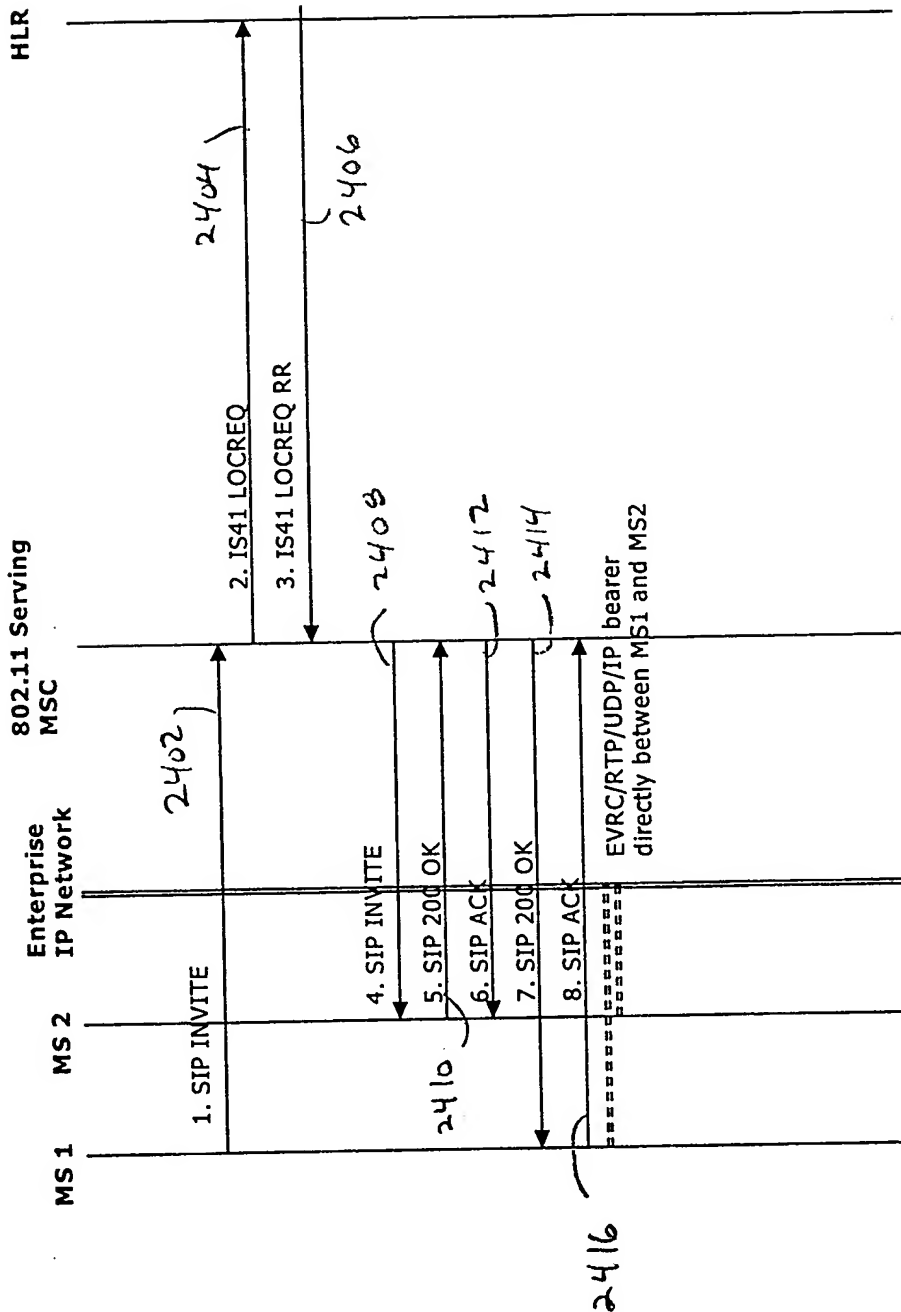




Figure 25

# Intra Enterprise call (GSM / MAP)

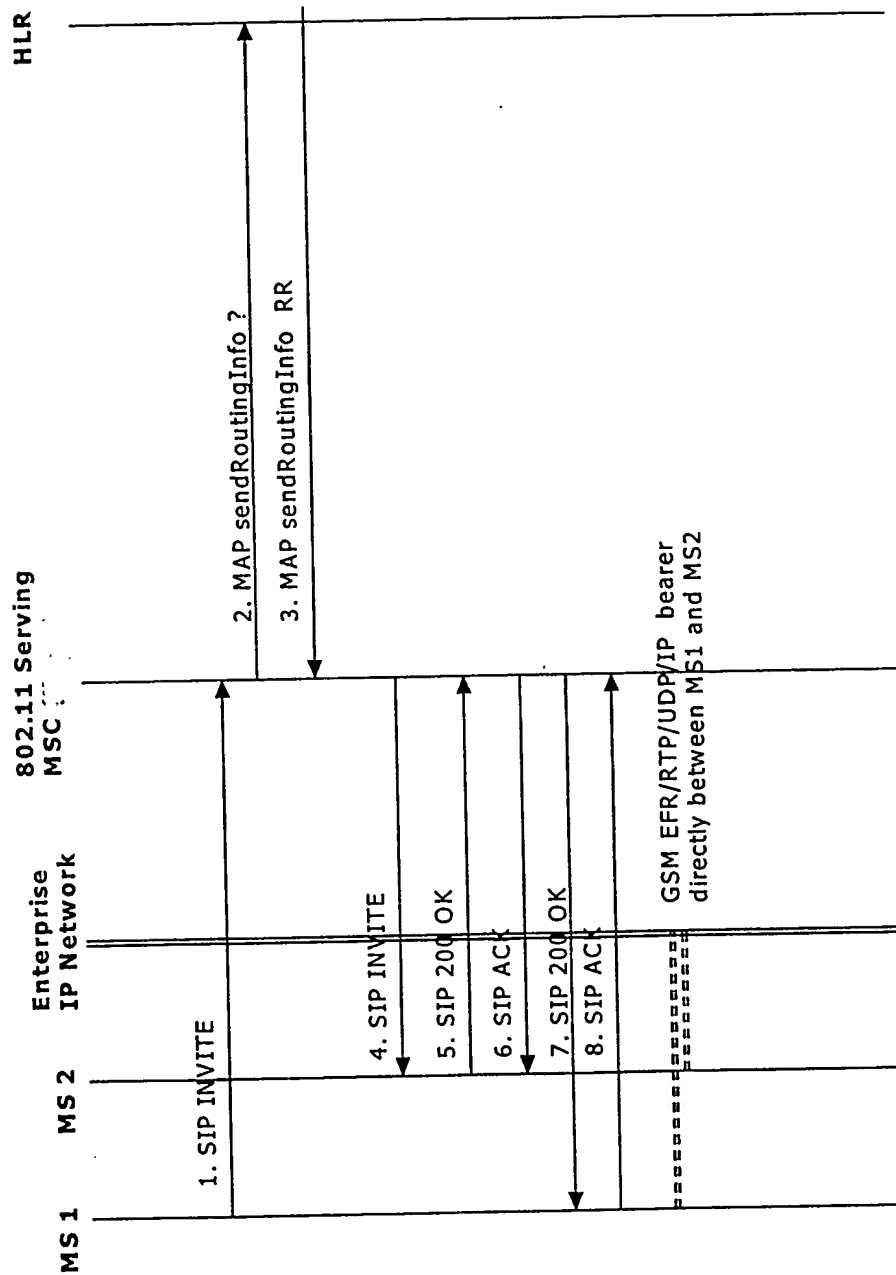


Figure 26

# Enterprise to PSTN call (CDMA/IS41)

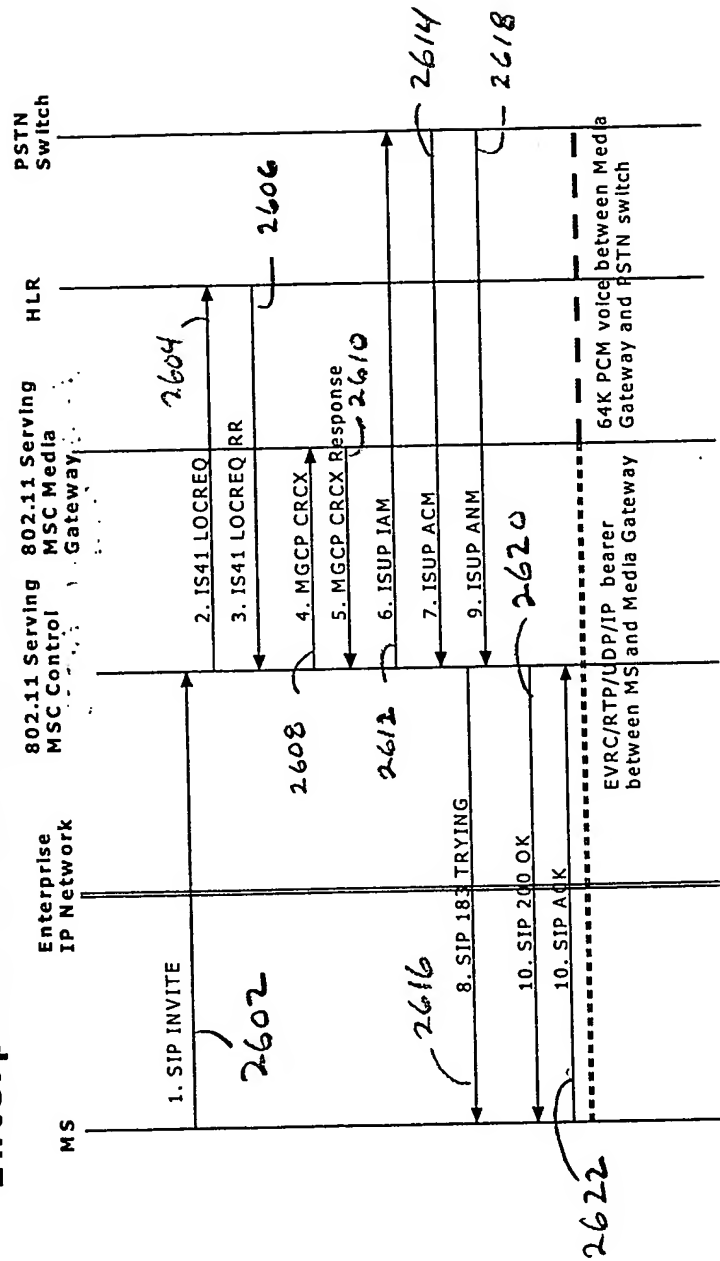


Figure 27

# Enterprise to PSTN call (GSM / MAP)

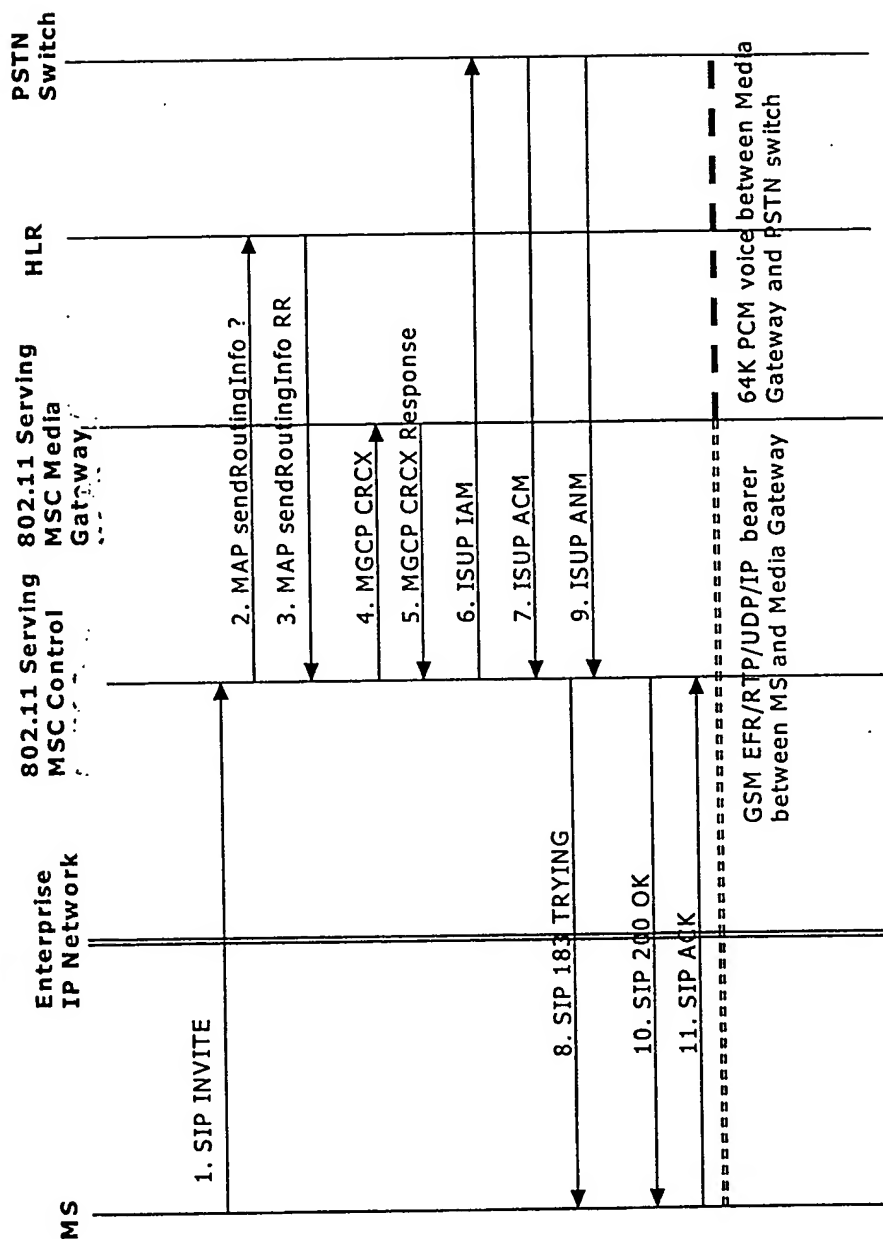


Figure 28

# Enterprise to Macro GSM call with TFO (GSM/MAP)

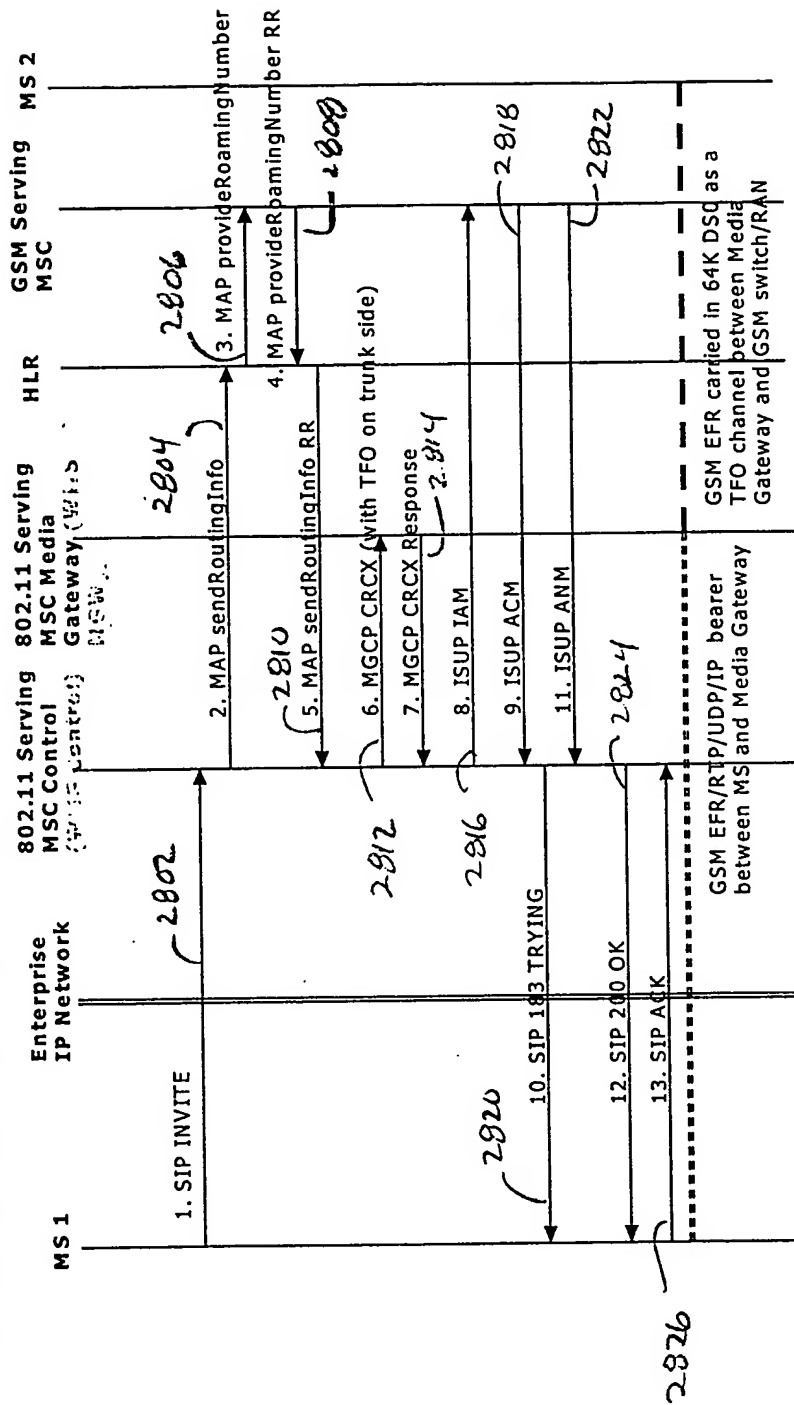
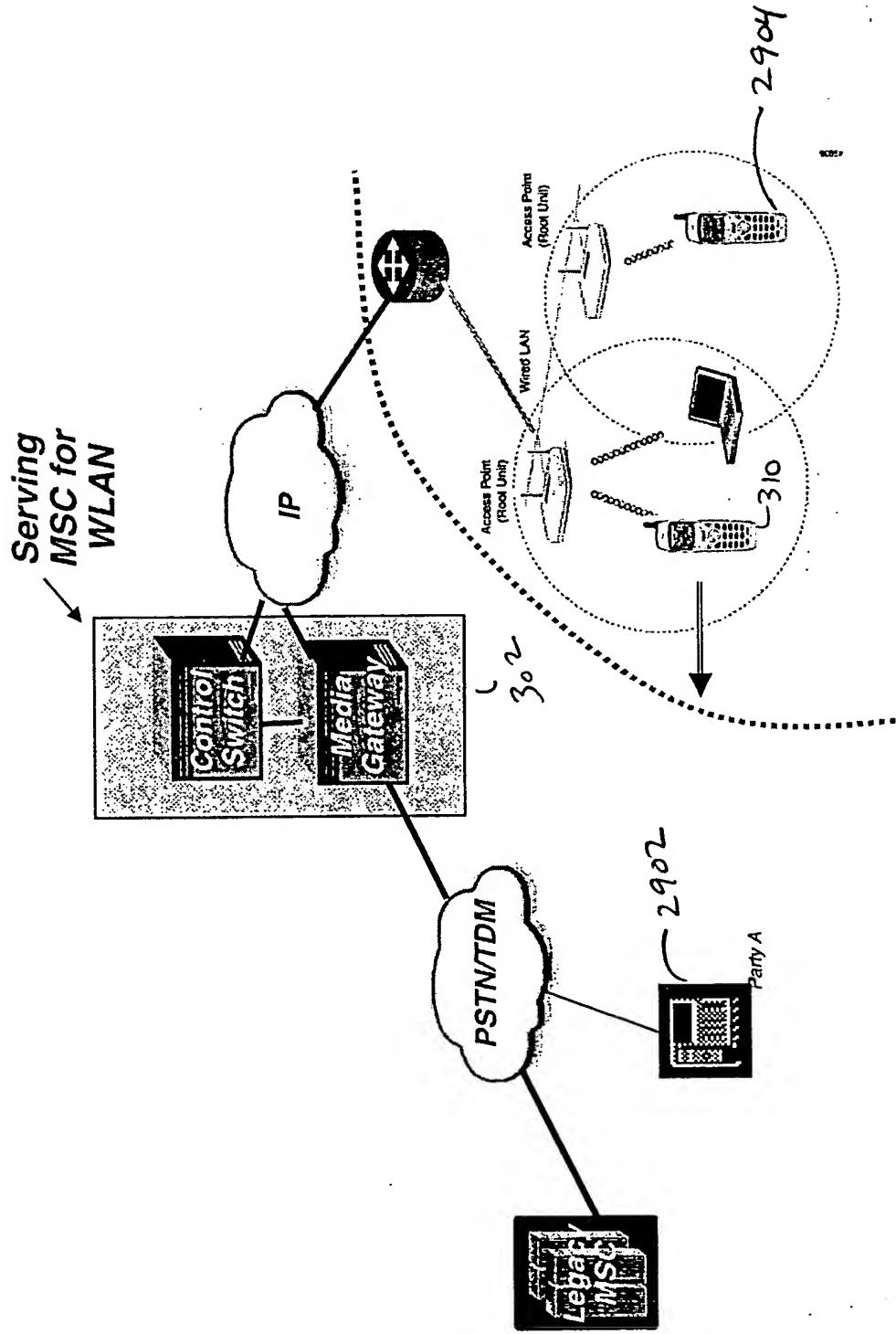


Figure 29



3002

MS while in call with Party A  
determines imminent handoff

3004

MS asks WLAN switch for TLDN

3008

MS detects lack of WLAN  
Connectivity.  
Asks WWAN switch to connect  
call using TLDN

WLAN switch detects lack of  
Connectivity to MS.  
Puts Party A on hold.

3010

WWAN switch routes call to  
WLAN switch

3012

WLAN switch recognizes TLDN;  
Connects to party on hold

Fig. 30

Fig. 302 FIG. 225001

